

Appl. No. 09/775,881
Amdt. dated October 17, 2005
Reply to Office Action of September 20, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1. (currently amended) A device for removably mounting a hard disk drive in a memory storage housing, the device comprising:

a carrier for holding a hard disk drive, the carrier being removably mountable in the a memory storage device housing; and

a heat sink mounted on the carrier,

wherein the heat sink and the carrier are configured to slide together into the memory storage device housing.

Claim 2. (currently amended) A device as set forth in Claim 1, wherein the carrier includes a face and a fan mounted on the face of the carrier, wherein the heat sink comprises fins and wherein the fan is configured to blow air between the fins.

Claim 3. (original) A device as set forth in Claim 2, wherein the carrier includes an air filter mounted on the face to filter air.

Claim 4. (original) A device as set forth in Claim 3, wherein the carrier includes an air filter cover removably mounted on the face to facilitate removal and replacement of the air filter.

Claim 5. (original) A device as set forth in Claim 1, wherein the carrier includes lateral rails that slidably mount the carrier in the memory storage housing.

Claim 6. (original) A device as set forth in Claim 1, wherein the carrier includes a face and a handle mounted on the face of the carrier.

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Claims 7.-12. (canceled)

Claim 13 (original) A device for removably mounting a hard disk drive in a memory storage housing, comprising:

a carrier for holding a hard disk drive, the carrier being removably mountable in a memory storage device housing; and

a heat sink slidably mounted on the carrier.

Claim 14. (previously presented) A device as set forth in Claim 13, wherein the carrier includes a face and a fan mounted on the face of the carrier.

Claim 15. (previously presented) A device as set forth in Claim 14, wherein the carrier includes an air filter mounted on the face to filter air.

Claim 16. (previously presented) A device as set forth in Claim 15, wherein the carrier includes an air filter cover removably mounted on the face to facilitate removal and replacement of the air filter.

Claim 17. (previously presented) A device as set forth in Claim 13, wherein the carrier includes lateral rails that slidably mount the carrier in the memory storage housing.

Claim 18. (previously presented) A device as set forth in Claim 13, wherein the carrier includes a face and a handle on the face of the carrier.

Claims 19.-20. (canceled)

Claim 21. (new) A device as set forth in Claim 13, wherein the heat sink includes a plurality of fins and wherein the heat sink forms a cover.

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Claim 22. (new) A device as set forth in Claim 13, wherein the heat sink includes a plurality of fins and wherein the heat sink forms a solid, non-perforated cover.

Claim 23. (new) A device for removably mounting a hard disk drive in a memory storage housing, the device comprising:

a carrier for holding a hard disk drive, the carrier being removably mountable in the memory storage device housing;

a heat sink mounted on the carrier, wherein the heat sink comprises a plurality of fins and an enclosed air conduit, wherein the air conduit runs parallel to the plurality of fins; and at least one fan configured to blow air over and under heat sink.

Claim 24. (new) A device as set forth in claim 23 wherein the heat sink forms a cover for the carrier.

Claim 25. (new) A device as set forth in claim 23 wherein the carrier has side rails which engage rails of the memory storage housing.